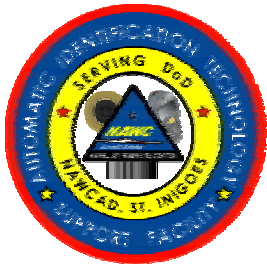# Automatic Identification Technology

Support Facility

An Enabler to Reduce Total Ownership Costs

Communication Systems Integration Branch

Code 4.5.8.3

AIT Support Facility

Supporting the Department of Defense AIT Objectives

ÿ Evaluate prototype and production AIT hardware

ÿ Perform hardware/software integration and testing

ÿ Conduct on-call/on-site technical support

ÿ Replicate processes within our extensive facilities

ÿ Perform installation and training

ÿ Maintain an AIT technical resource library

ÿ Provide Navy representation at meetings, symposiums, and other AIT events

ÿ Participate in DoD AIT planning and exercises

The AIT Advantage

PROVEN BENEFITS

- ÿ Fosters total asset visibility
- ÿ "Front-end" to existing systems
- ÿ Streamlines logistics functions
- ÿ Improves timeliness of information
- ÿ Enhances quality control
- ÿ Promotes customer service

REAL SAVINGS

- ÿ Reduces labor
- ÿ Eliminates manual processes
- ÿ Increases productivity
- ÿ Virtually error free

MODERN COTS TECHNOLOGY

- ÿ Comprehensive touch button data
- ÿ Low cost bar coding
- ÿ RF capability
- ÿ Card technologies

AIT Considerations

Ø AIT crosses all logistics disciplines and operations, any process that has a supporting AIS

Ø A successful AIT implementation involves engineering, information technology, and process owner stakeholders

Ø Must provide SIGNIFICANT cost/workload benefits

Ø AIT implementation can and should be undertaken in parallel with AIS development.

Ø Transitioning from an AIT vision to reality requires an evaluation—site and process—to select an AIT medium

Ø Applied correctly, AIT is high return/low risk… and the converse is also true!

Ø Interim solution — limited goals

- ¸ Stand alone application

- ¸ Fleet Consultation

- ¸ Standardize — business rules, data structures

- ¸ Proof-in DDG-76, CVN-68, DDG-77, 78, 79 — user inputs

Ø Software

- ¸ MS Access application & database

- ¸ Compiled application: protect data integrity & business rules

- ¸ Customizable (import user inventory, compartment ID)

SAMS Today/Future

…Matching Appropriate AIT Technology to the Need

ÿ Fleet consultation

ÿ Standardized business process

ÿ Asset visibility

ÿ Automated data collection (ADC)

ÿ Inventory control

ÿ Standard reports

ÿ Barcode ID

ÿ Growth — engineering assets

ÿ Expanded reports

ÿ Expanded Fleet installation base

NAWC Aircraft Division
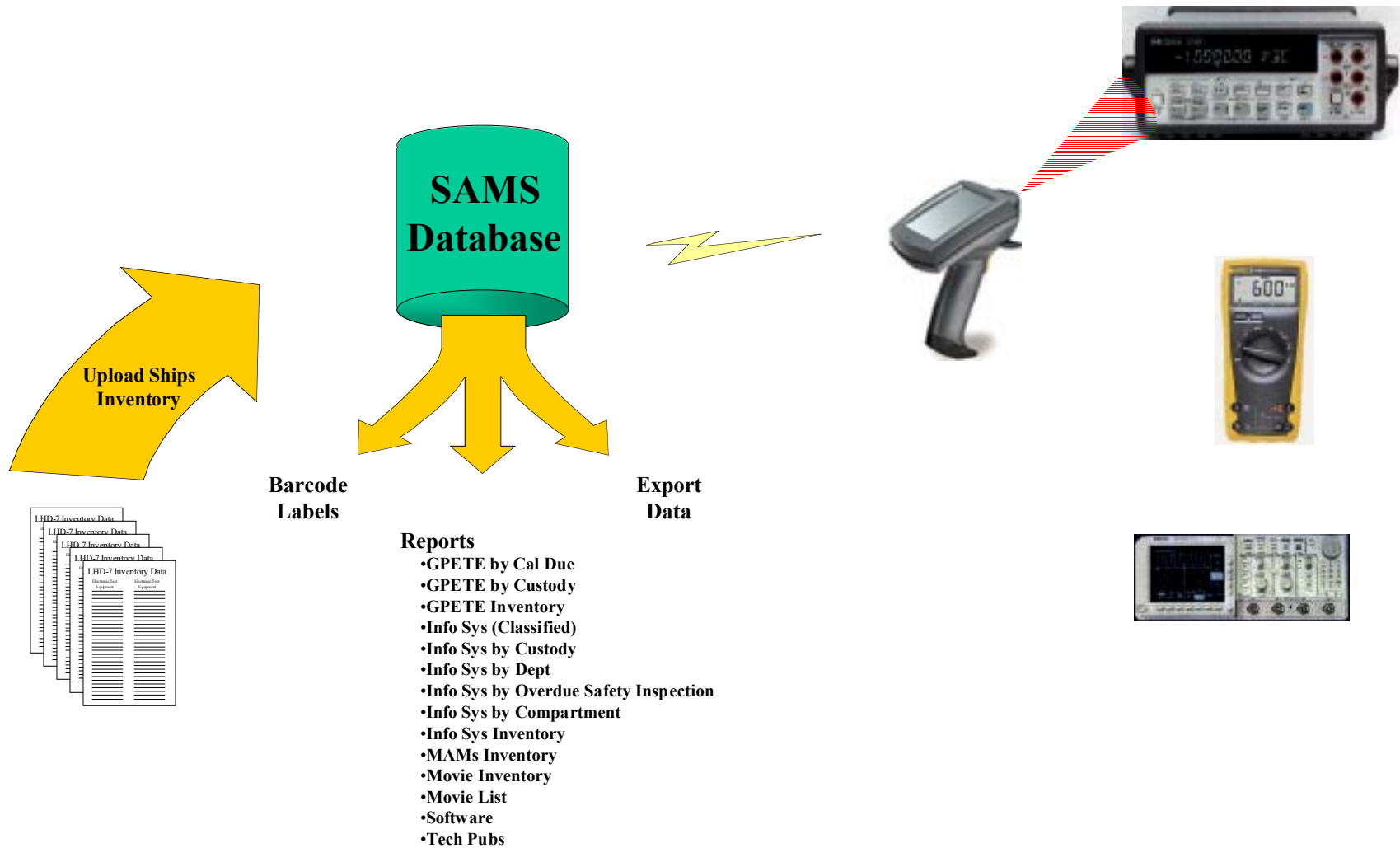NAVAL AIR WARFARE CENTER
ST. INIGOES

SAMS Today/Future (Cont.)

…Technology Up-grade, Expanded Fleet Installation

Ø WindowsNT/Windows98 OS

Ø Intermec Scanner/DOS interface

Ø Stand-alone application

Ø Limited Business Process impact

Ø Windows 2000 OS

Ø LAN access

Ø Symbol/Windows CE

Ø Measure 21/SNAP interfaces

Ø Extend business process benefits

Inventory Control

NAWC
Aircraft Division
NAVAL AIR WARFARE CENTER
ST. INIGOES

SAMS Database

Upload Ships Inventory

LHD-7 Inventory Data

Barcode Labels

Export Data

Reports
- **GPETE by Cal Due**
- **GPETE by Custody**
- **GPETE Inventory**
- **Info Sys (Classified)**
- **Info Sys by Custody**
- **Info Sys by Dept**
- **Info Sys by Overdue Safety Inspection**
- **Info Sys by Compartment**
- **Info Sys Inventory**
- **MAMs Inventory**
- **Movie Inventory**
- **Movie List**
- **Software**
- **Tech Pubs**

SAMS Demonstration

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